

JC978 U.S. PRO  
 09/935012  
  
 08/21/01

372	46
Class	Subclass
ISSUE CLASSIFICATION	

PATENT NUMBER

## U.S. UTILITY Patent Application

mH SCANNED	O.I.P.E. Q.A.	PATENT DATE
---------------	------------------	-------------

APPLICATION NO. 09/935012	CONT/PRIOR D	CLASS 372	SUBCLASS 96	ART UNIT <del>2881</del> 2829	EXAMINER <i>[Signature]</i>	7/5/02-Ru
------------------------------	-----------------	--------------	----------------	-------------------------------------	--------------------------------	-----------

TITLE	APPLICANTS
1. <b>Chairman</b>	1. <b>Mr. J. H. ...</b>
2. <b>Vice Chairman</b>	2. <b>Mr. J. H. ...</b>
3. <b>Secretary</b>	3. <b>Mr. J. H. ...</b>
4. <b>Treasurer</b>	4. <b>Mr. J. H. ...</b>
5. <b>Member</b>	5. <b>Mr. J. H. ...</b>
6. <b>Member</b>	6. <b>Mr. J. H. ...</b>
7. <b>Member</b>	7. <b>Mr. J. H. ...</b>
8. <b>Member</b>	8. <b>Mr. J. H. ...</b>
9. <b>Member</b>	9. <b>Mr. J. H. ...</b>
10. <b>Member</b>	10. <b>Mr. J. H. ...</b>
11. <b>Member</b>	11. <b>Mr. J. H. ...</b>
12. <b>Member</b>	12. <b>Mr. J. H. ...</b>
13. <b>Member</b>	13. <b>Mr. J. H. ...</b>
14. <b>Member</b>	14. <b>Mr. J. H. ...</b>
15. <b>Member</b>	15. <b>Mr. J. H. ...</b>
16. <b>Member</b>	16. <b>Mr. J. H. ...</b>
17. <b>Member</b>	17. <b>Mr. J. H. ...</b>
18. <b>Member</b>	18. <b>Mr. J. H. ...</b>
19. <b>Member</b>	19. <b>Mr. J. H. ...</b>
20. <b>Member</b>	20. <b>Mr. J. H. ...</b>
21. <b>Member</b>	21. <b>Mr. J. H. ...</b>
22. <b>Member</b>	22. <b>Mr. J. H. ...</b>
23. <b>Member</b>	23. <b>Mr. J. H. ...</b>
24. <b>Member</b>	24. <b>Mr. J. H. ...</b>
25. <b>Member</b>	25. <b>Mr. J. H. ...</b>
26. <b>Member</b>	26. <b>Mr. J. H. ...</b>
27. <b>Member</b>	27. <b>Mr. J. H. ...</b>
28. <b>Member</b>	28. <b>Mr. J. H. ...</b>
29. <b>Member</b>	29. <b>Mr. J. H. ...</b>
30. <b>Member</b>	30. <b>Mr. J. H. ...</b>
31. <b>Member</b>	31. <b>Mr. J. H. ...</b>
32. <b>Member</b>	32. <b>Mr. J. H. ...</b>
33. <b>Member</b>	33. <b>Mr. J. H. ...</b>
34. <b>Member</b>	34. <b>Mr. J. H. ...</b>
35. <b>Member</b>	35. <b>Mr. J. H. ...</b>
36. <b>Member</b>	36. <b>Mr. J. H. ...</b>
37. <b>Member</b>	37. <b>Mr. J. H. ...</b>
38. <b>Member</b>	38. <b>Mr. J. H. ...</b>
39. <b>Member</b>	39. <b>Mr. J. H. ...</b>
40. <b>Member</b>	40. <b>Mr. J. H. ...</b>
41. <b>Member</b>	41. <b>Mr. J. H. ...</b>
42. <b>Member</b>	42. <b>Mr. J. H. ...</b>
43. <b>Member</b>	43. <b>Mr. J. H. ...</b>
44. <b>Member</b>	44. <b>Mr. J. H. ...</b>
45. <b>Member</b>	45. <b>Mr. J. H. ...</b>
46. <b>Member</b>	46. <b>Mr. J. H. ...</b>
47. <b>Member</b>	47. <b>Mr. J. H. ...</b>
48. <b>Member</b>	48. <b>Mr. J. H. ...</b>
49. <b>Member</b>	49. <b>Mr. J. H. ...</b>
50. <b>Member</b>	50. <b>Mr. J. H. ...</b>
51. <b>Member</b>	51. <b>Mr. J. H. ...</b>
52. <b>Member</b>	52. <b>Mr. J. H. ...</b>
53. <b>Member</b>	53. <b>Mr. J. H. ...</b>
54. <b>Member</b>	54. <b>Mr. J. H. ...</b>
55. <b>Member</b>	55. <b>Mr. J. H. ...</b>
56. <b>Member</b>	56. <b>Mr. J. H. ...</b>
57. <b>Member</b>	57. <b>Mr. J. H. ...</b>
58. <b>Member</b>	58. <b>Mr. J. H. ...</b>
59. <b>Member</b>	59. <b>Mr. J. H. ...</b>
60. <b>Member</b>	60. <b>Mr. J. H. ...</b>
61. <b>Member</b>	61. <b>Mr. J. H. ...</b>
62. <b>Member</b>	62. <b>Mr. J. H. ...</b>
63. <b>Member</b>	63. <b>Mr. J. H. ...</b>
64. <b>Member</b>	64. <b>Mr. J. H. ...</b>
65. <b>Member</b>	65. <b>Mr. J. H. ...</b>
66. <b>Member</b>	66. <b>Mr. J. H. ...</b>
67. <b>Member</b>	67. <b>Mr. J. H. ...</b>
68. <b>Member</b>	68. <b>Mr. J. H. ...</b>
69. <b>Member</b>	69. <b>Mr. J. H. ...</b>
70. <b>Member</b>	70. <b>Mr. J. H. ...</b>
71. <b>Member</b>	71. <b>Mr. J. H. ...</b>
72. <b>Member</b>	72. <b>Mr. J. H. ...</b>
73. <b>Member</b>	73. <b>Mr. J. H. ...</b>
74. <b>Member</b>	74. <b>Mr. J. H. ...</b>
75. <b>Member</b>	75. <b>Mr. J. H. ...</b>
76. <b>Member</b>	76. <b>Mr. J. H. ...</b>
77. <b>Member</b>	77. <b>Mr. J. H. ...</b>
78. <b>Member</b>	78. <b>Mr. J. H. ...</b>
79. <b>Member</b>	79. <b>Mr. J. H. ...</b>
80. <b>Member</b>	80. <b>Mr. J. H. ...</b>
81. <b>Member</b>	81. <b>Mr. J. H. ...</b>
82. <b>Member</b>	82. <b>Mr. J. H. ...</b>
83. <b>Member</b>	83. <b>Mr. J. H. ...</b>
84. <b>Member</b>	84. <b>Mr. J. H. ...</b>
85. <b>Member</b>	85. <b>Mr. J. H. ...</b>
86. <b>Member</b>	86. <b>Mr. J. H. ...</b>
87. <b>Member</b>	87. <b>Mr. J. H. ...</b>
88. <b>Member</b>	88. <b>Mr. J. H. ...</b>
89. <b>Member</b>	89. <b>Mr. J. H. ...</b>
90. <b>Member</b>	90. <b>Mr. J. H. ...</b>
91. <b>Member</b>	91. <b>Mr. J. H. ...</b>
92. <b>Member</b>	92. <b>Mr. J. H. ...</b>
93. <b>Member</b>	93. <b>Mr. J. H. ...</b>
94. <b>Member</b>	94. <b>Mr. J. H. ...</b>
95. <b>Member</b>	95. <b>Mr. J.</b>

Larry Coldren  
Eric Hall  
Guilhem Almuneau

Distributed bragg reflectors incorporating SB material for long-wavelength vertical cavity surface emitting lasers

PTO-2040  
12/99[illegible]

<input type="checkbox"/> <b>TERMINAL DISCLAIMER</b>	<b>DRAWINGS</b>			<b>CLAIMS ALLOWED</b>	
	Sheets Drwg. <b>7</b>	Figs. Drwg. <b>15</b>	Print Fig. <b>7</b>	Total Claims <b>46</b>	Print Claim for O.G. <b>1</b>
<input type="checkbox"/> The term of this patent subsequent to _____ (date) has been disclaimed.  <input type="checkbox"/> The term of this patent shall not extend beyond the expiration date of U.S Patent. No. _____ _____ _____	<u><b>Delma R. Flores Ruiz</b></u> <u><b>11/22/13</b></u> (Assistant Examiner) (Date)			<b>NOTICE OF ALLOWANCE MAILED</b>	
				<b>ISSUE FEE</b>	
	_____ (Primary Examiner) _____ (Date)			Amount Due	Date Paid
<input type="checkbox"/> The terminal _____ months of this patent have been disclaimed.	_____ (Legal Instruments Examiner) _____ (Date)			<b>ISSUE BATCH NUMBER</b>	

**WARNING:** The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 368. Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only.

Form PTO-438A  
(Rev. 6/99)

FILED WITH: ☐ DISK (CRF) ☐ FICHE ☐ CD-ROM  
(Attached in pocket on right inside flap)

**BEST AVAILABLE COPY**

(FACE)